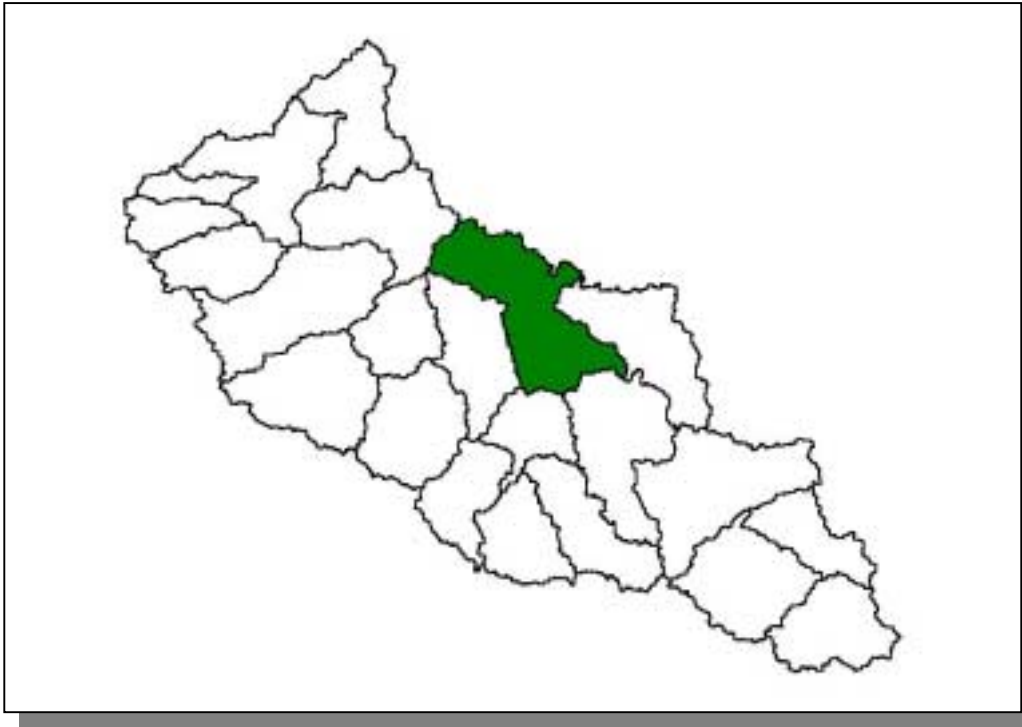
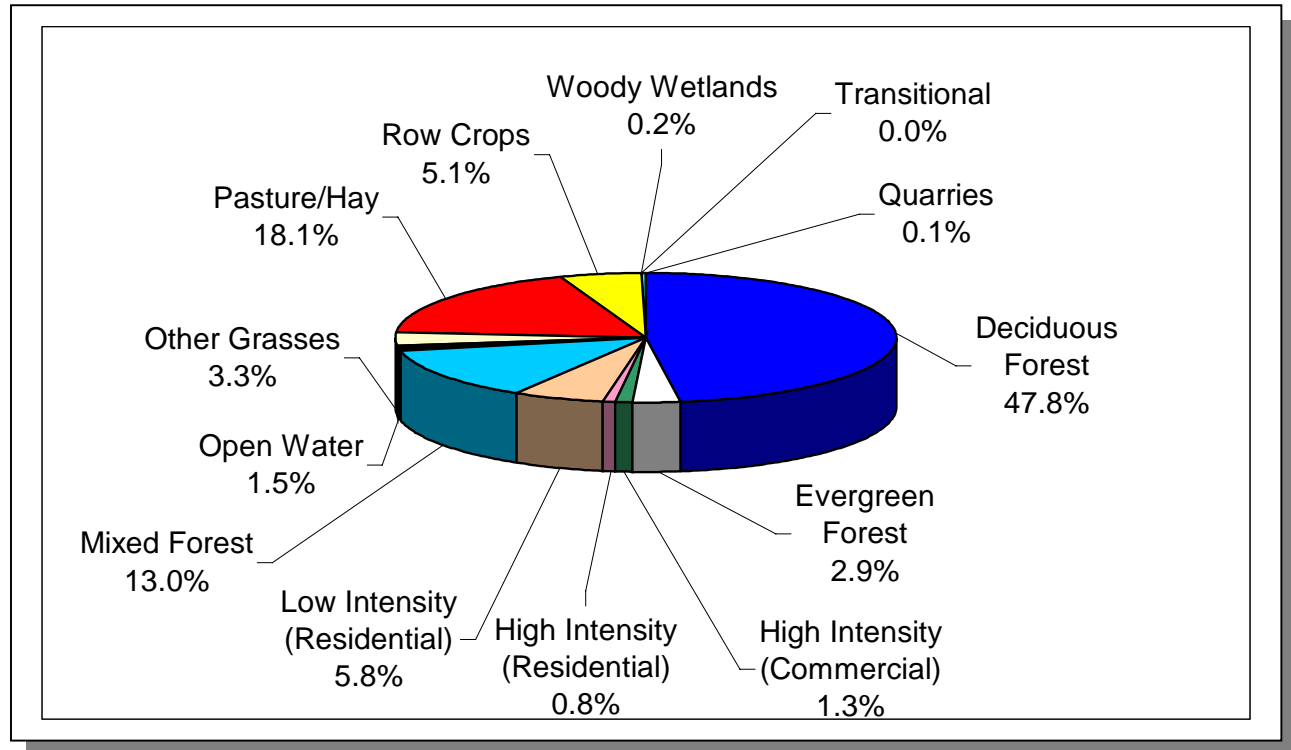


4.2.C. 05130204030.

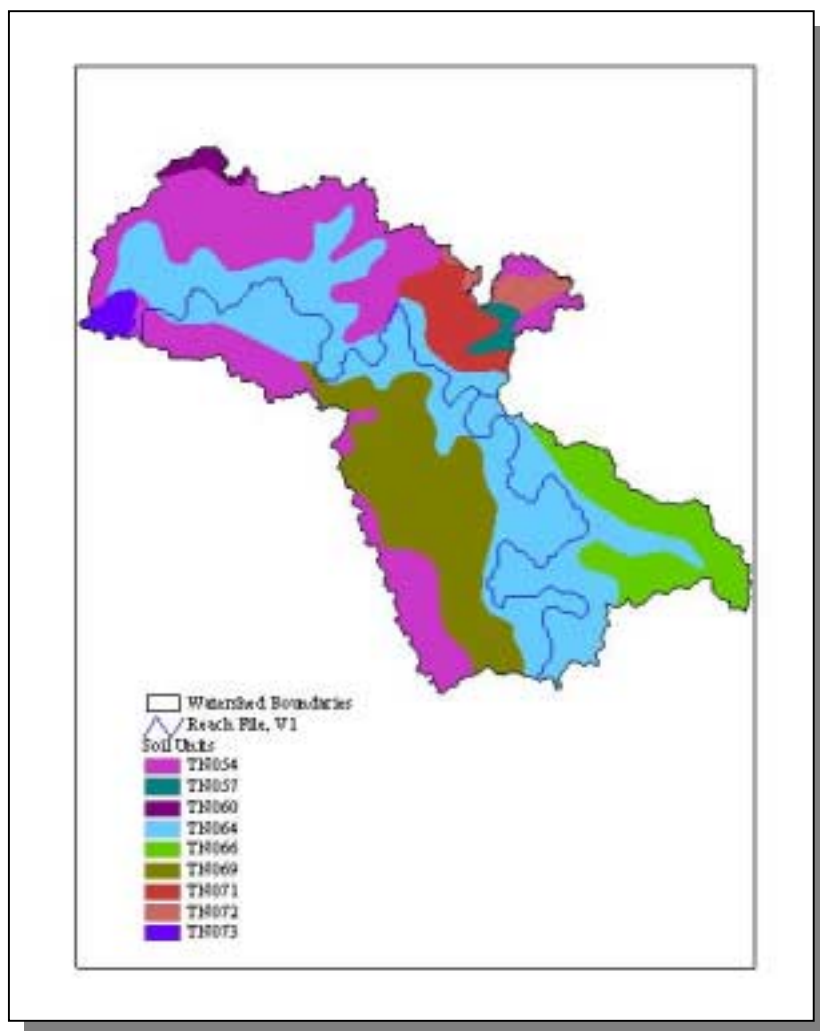


*Figure 4-18. Location of Subwatershed 05130204030. All Harpeth HUC-14 subwatershed boundaries are shown for reference.*

4.2.C.i. General Description.



**Figure 4-19. Land Use Distribution in Subwatershed 05130204030.** More information is provided in Harpeth-Appendix IV.



**Figure 4-20. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204030.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN057	0.00	C	1.14	5.01	Clayey Loam	0.33
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN066	0.00	B	2.62	4.75	Loam	0.28
TN069	0.00	C	2.06	5.36	Loam	0.34
TN071	0.00	C	2.37	5.70	Silty Loam	0.33
TN072	0.00	B	3.70	5.57	Loam	0.31
TN073	0.00	B	2.97	5.21	Loam	0.34

**Table 4-21. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204030.** More information is provided in Harpeth-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Cheatham	27,140	34,402	2.64	717	909	26.8
Davidson	510,784	535,032	5.55	28,351	29,697	4.7
Williamson	81,021	111,453	4.51	3,655	5,028	37.6
<b>Totals</b>	<b>618,945</b>	<b>680,887</b>		<b>32,723</b>	<b>35,634</b>	<b>8.9</b>

*Table 4-22. Population Estimates in Subwatershed 05130204030.*

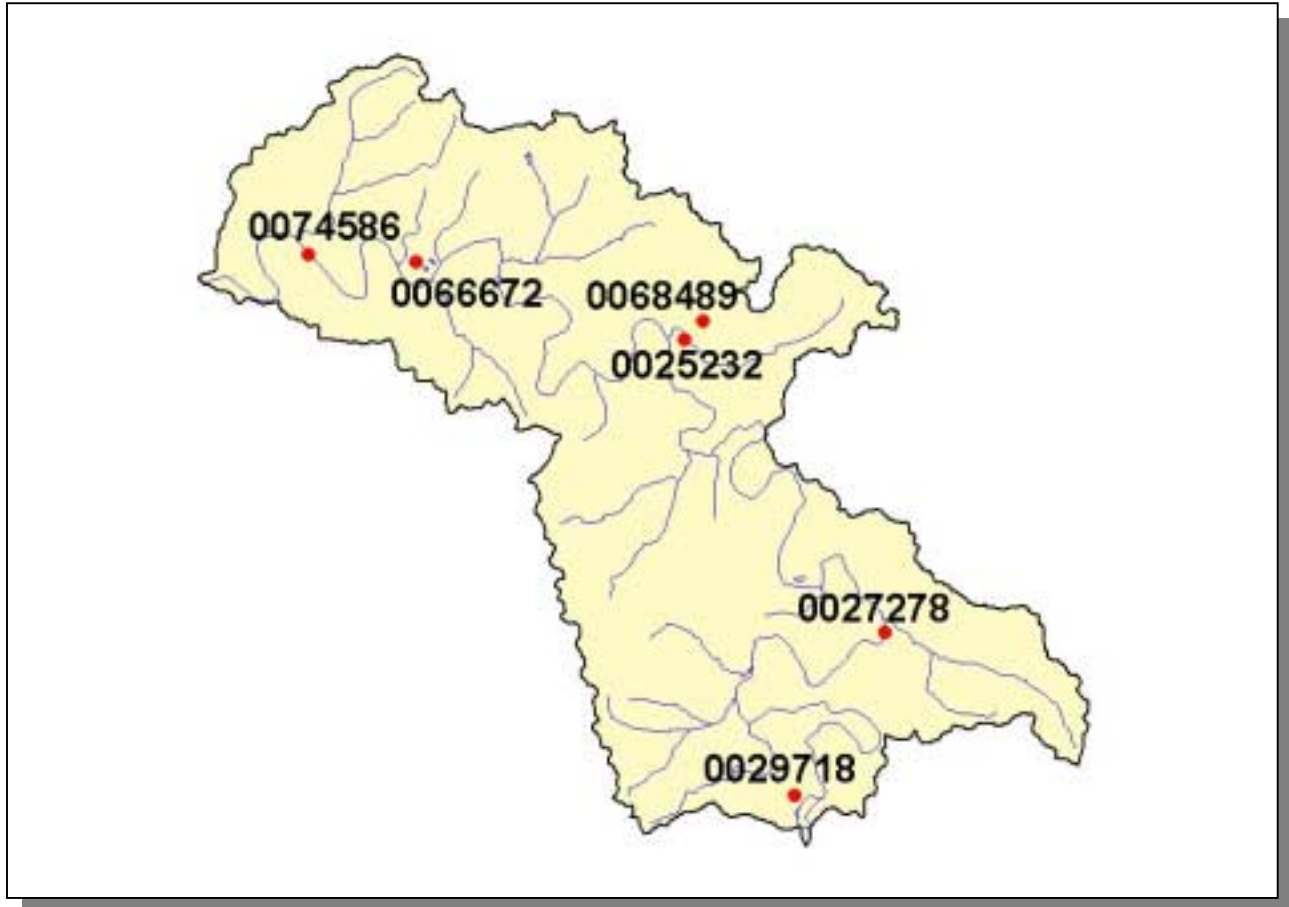
			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Nashville-Davidson Co.	Davidson	488,518	219,521	203,640	15,576	305
Pegram	Cheatham	1,371	535	20	510	5
<b>Totals</b>		<b>489,889</b>	<b>220,056</b>	<b>203,660</b>	<b>16,086</b>	<b>310</b>

*Table 4-23. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130204030.*



**Figure 4-21. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130204030.** More information is provided in Harpeth-Appendix IV.

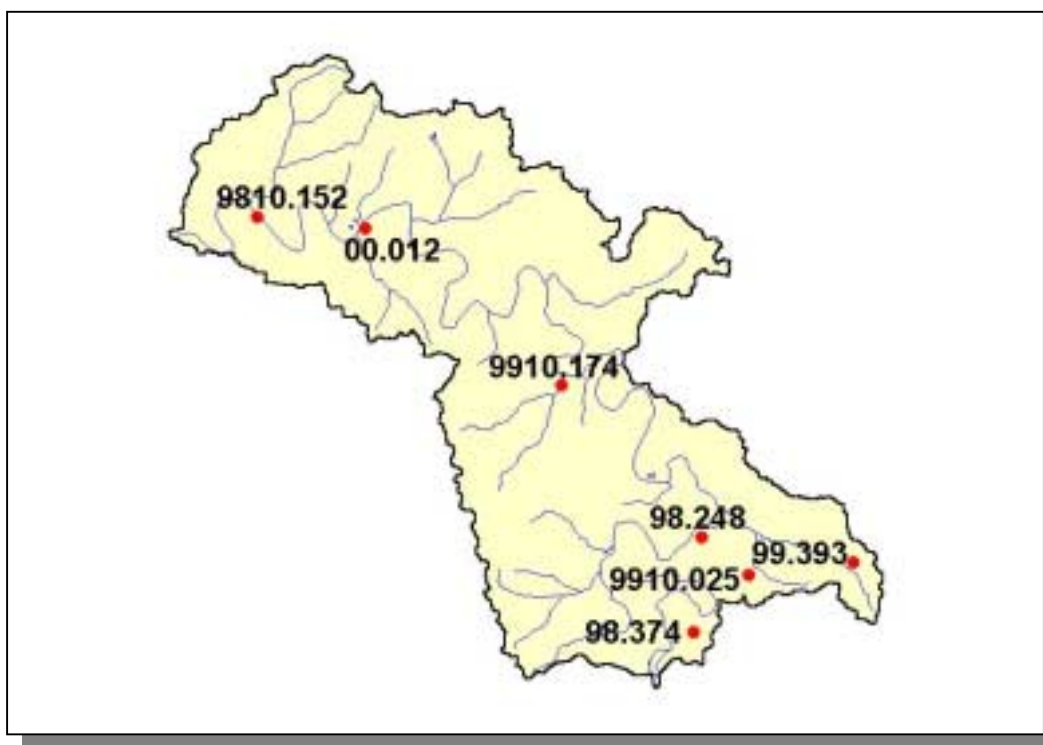
**4.2.C.ii.** Point Source Contributions.



**Figure 4-22. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130204030.** More information, including the names of facilities, is provided in Harpeth-Appendix IV.



**Figure 4-23. Location of Active Mining Sites in Subwatershed 05130204030.** More information, including the names of facilities, is provided in Harpeth-Appendix IV.



**Figure 4-24. Location of ARAP Sites (Individual Permits) in Subwatershed 05130204030.**  
More information is provided in Harpeth-Appendix IV.

**4.2.C.iii. Nonpoint Source Contributions.**

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
1,108	3,020	93	<5	146	31

**Table 4-24. Summary of Livestock Count Estimates in Subwatershed 05130204030.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cheatham	118.2	118.2	2.3	8.4
Davidson	108.7	108.1	2.3	9.7
Williamson	142.0	142	1	3.3
<b>Totals</b>	<b>368.9</b>	<b>368.3</b>	<b>5.6</b>	<b>21.4</b>

**Table 4-25. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130204030.**



CROPS	TONS/ACRE/YEAR
Soybeans (Row Crops)	9.50
Grass (Hayland)	0.14
Legume (Hayland)	0.84
Grass (Pastureland)	0.53
Grass, Forbs, Legumes (Mixed Pasture)	0.53
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.31
Corn (Row Crops)	6.14
Other Cropland Not Planted	5.05
Legume Grass (Hayland)	0.18
All Other Close Grown Cropland	2.26
Tobacco (Row Crops)	6.75
Wheat (Close Grown Cropland)	1.27
Other Land in Farms	0.12
Conservation Reserve Program Land	0.12
Legume (Pastureland)	0.33

**Table 4-26. Annual Estimated Total Soil Loss in Subwatershed 05130204030.**